Form PTO-948 (Rev. 06/03)
Application No. 10/685257

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

# NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 10/14/2003 are:

A. ____ approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. ✓ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

**1. DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

___ Color drawings are not acceptable until petition is granted. Fig(s)____

___ Pencil and non black ink not permitted. Fig(s)____

**2. PHOTOGRAPHS.** 37 CFR 1.84(b)

___ One (1) full-tone set is required. Fig(s)____

___ Photographs may not be mounted. 37 CFR 1.84(e)

___ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s)____

___ Poor quality (half-tone). Fig(s)____

**3. TYPE OF PAPER.** 37 CFR 1.84(e)

___ Paper not flexible, strong, white, and durable. Fig(s)____

___ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s)____

**4. SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4) or
21.6 cm by 27.9 cm (8 1/2x 11 inches)

___ All drawing sheets not the same size. Sheet(s)____

___ Drawings sheets not an acceptable size. Fig(s)____

**5. MARGINS.** 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

✓ Margins not acceptable. Fig(s) 3-5.

✓ Top (T) ____ Left (L)

____ Right (R) ____ Bottom (B)

**6. VIEWS.** 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

___ Views not labeled separately or properly. Fig(s)____

**7. SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)

____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s)____

**8. ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)

___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)____

**9. SCALE.** 37 CFR 1.84(k)

___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s)____

**10. CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)

___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s)____

**11. SHADING.** 37 CFR 1.84(m)

___ Solid black areas pale. Fig(s) ____

___ Solid black shading not permitted. Fig(s)____

**12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)

✓ Numbers and reference characters not plain and legible. Fig(s) 1-5.

___ Figure legends are poor. Fig(s)____

___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s)____

___ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s)____

___ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s)____

**13. LEAD LINES.** 37 CFR 1.84(q)

___ Lead lines missing. Fig(s)____

**14. NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)

___ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s)____

**15. NUMBERING OF VIEWS.** 37 CFR 1.84(u)

___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s)____

**16. DESIGN DRAWINGS.** 37 CFR 1.152

___ Surface shading shown not appropriate. Fig(s)____

___ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s)____

**COMMENTS:**

Reviewer SON LAM

Date 01/13/2006

If you have questions, call (703) ~~305-8404~~ 305-0333 (EXT. 133)

Attachment to Paper No. 03092006